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**HARNESS
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September 15, 2006

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I hereby certify that this correspondence is being deposited in the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted on the date below.

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Signature *Stanley M. Erjavac*

Date: September 15, 2006

Director of the United States Patent
and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

**Certificate
of Correction**
SEP 21 2006

Re: Patent No. 6,870,343 - Issued: March 22, 2005
Title: Integrated, Proportionally Controlled, And
Naturally Compliant Universal Joint Actuator With
Controllable Stiffness
Inventors: Johann Borenstein, Grzegorz Granosik
U of M Ref. No. 1857
Attorney Docket No. 2115-001857/CPB

Sir:

We have reviewed the above-identified patent and have found the following error which appears to require a Certificate of Correction:

Column 7, line 40
(application page 15, line 22)

$$D = G \frac{D_p}{A_s \sqrt{p_s - p}} \quad \text{if} \quad G > 0 \quad (3)$$

$$D = G \frac{-D_p}{A_e p} \quad \text{if} \quad G < 0 \quad "$$

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and Trademark Office
September 15, 2006
Page -2-

U.S. Patent No. 6,870,343
Issued: March 22, 2005

Should be

$$- - G = RkT\dot{m} = \dot{p}V + kp\dot{V} + K_pVe_p + K_DV\dot{e}_p$$

$$D = G \frac{D_p}{A_s \sqrt{p_s - p}} \quad \text{if} \quad G > 0 \quad (3)$$

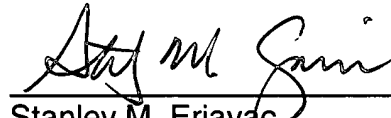
$$D = G \frac{-D_p}{A_e p} \quad \text{if} \quad G < 0 \quad - -$$

Enclosed herewith is the Patent and Trademark Office Certificate of Correction form (in duplicate) which we request be approved for the above identified patent.

The Director is hereby authorized to charge any additional fees which may be required in connection with this patent or credit any overpayment to Deposit Account No. 08-0750. A duplicate copy of this letter is enclosed.

Respectfully submitted,

By:



Stanley M. Erjavac
Reg. No. 38,442

SME/ld
Enclosure

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO : 6,870,343

DATED : March 22, 2005

INVENTOR(S) : Johann Borenstein, Grzegorz Granosik

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Column 7, line 40,

$$\begin{aligned} D &= G \frac{D_p}{A_s \sqrt{p_s - p}} \quad \text{if} \quad G > 0 \\ D &= G \frac{-D_p}{A_e p} \quad \text{if} \quad G < 0 \end{aligned} \quad (3)$$

Should be

$$\begin{aligned} - - G &= RkT\dot{m} = \dot{p}V + kp\dot{V} + K_p V e_p + K_D V \dot{e}_p \\ D &= G \frac{D_p}{A_s \sqrt{p_s - p}} \quad \text{if} \quad G > 0 \\ D &= G \frac{-D_p}{A_e p} \quad \text{if} \quad G < 0 \end{aligned} \quad (3)$$

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PATENT NO. 6,870,343

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SEP 21 2005

UNITED STATES PATENT AND TRADEMARK OFFICE

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PATENT NO : 6,870,343

DATED : March 22, 2005

INVENTOR(S) : Johann Borenstein, Grzegorz Granosik

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(3)

Should be

$$- - G = RkT\dot{m} = \dot{p}V + kp\dot{V} + K_p V \dot{e}_p + K_D V \dot{e}_p$$

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$$D = G \frac{-D_p}{A_e p} \quad \text{if} \quad G < 0 \quad - -$$
(3)

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